

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Cost-Plus-Fixed-Fee		Page 1 Of 9	
2. Amendment/Modification No. 07		3. Effective Date 2003APR02		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM AMSTA-AQ-AHEB ELAINE NELSON (586)574-8107 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: NELSONE@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCMA DETROIT U.S. ARMY TANK & AUTOMOTIVE COMMAND (TACOM) ATTN: DCMAE-GJD WARREN, MI 48397-5000		Code S2305A	
				SCD A PAS NONE ADP PT HQ0337			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) GENERAL DYNAMICS LAND SYSTEMS DIV 38500 MOUND RD STERLING HEIGHTS MI 48310-3260 TYPE BUSINESS: Large Business Performing in U.S.				<input type="checkbox"/>		9A. Amendment Of Solicitation No.	
				<input type="checkbox"/>		9B. Dated (See Item 11)	
				<input checked="" type="checkbox"/>		10A. Modification Of Contract/Order No. DAAE07-01-G-N001/0007	
				<input type="checkbox"/>		10B. Dated (See Item 13) 2002APR11	
Code 7W356		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) NO CHANGE TO OBLIGATION DATA							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS							
KIND MOD CODE: C It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/> A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.							
<input type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).							
<input checked="" type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: FAR 52.243-2							
<input type="checkbox"/> D. Other (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SEE SECOND PAGE FOR DESCRIPTION							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) JOHN REGENHARDT REGENHAJ@TACOM.ARMY.MIL (586)574-6973			
15B. Contractor/Offeror (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed 2003APR02	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

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SECTION A - SUPPLEMENTAL INFORMATION

1. The purpose of this modification is to:
 - a. Incorporate ECPs GDLU6193 (New Shipping and Stowage Specifications), GDLU6240 (Gunner's Seat Adjuster & Handle), and GDLU2285 (CEU Foundation Firmware Update) at no cost to the contract.
 - b. Update clause for ICD FBCB2 in Section C of the contract.
 - c. Update Section D of the contract.
 - d. Update Exhibit A (DD Form 1423 Data Items).
 - e. Change CDRL A004 (Control Testing) in Exhibit A.
 - f. Update CDRL A005 (DD Form 1423 Data Items) in Exhibit A.
 - g. Transfer ECPs GDLU2197, GDLU2225, and GDLU2297 to the correct list in Exhibit B.
2. Change clause C.2.6 under Conformance with Specification, Drawings and Requirements in Section C of the contract to read, "The M1A2s upgraded to the M1A2 SEP configuration shall comply with the Form and Fit requirements necessary to enable Abrams System functionality with the Current Interface Control Documents for the FBCB2 Platform ICD IAW (Version 3.5) No JVIF01011, Rev E-1, dated 29 April 2002, Single Channel Ground Airborne Radio System (SINCGARS) RT-1523E(C), and the Enhanced Position Location Reporting System/Very High Speed Integrated Circuit (EPLRS/VHSIC) to the extent demonstrated and documented in Government and Contractor testing."
3. Change Section D.1.1 to read "The Abrams Series Tank Vehicle shall be preserved and processed for shipment with drive-on/drive-off capability in accordance with SD-X10005; and as delineated in the Abrams Systems Security Classification Guide dated 25 July 1997".
4. Change Section D.1.1.1 to read "Batteries-Vehicles will be shipped with production batteries installed and with all required hardware attached, but not connected to the battery posts. Battery and electrolyte shall be in conformance with the requirements SD-X10005, para 3.10.2."
5. Change final copies in CDRL A004 (Control Testing) to read "1" in lieu of "0" for AMSTA-TR-E/tank and AMSTA-AR-QAW-C. Change final total to read "3" in lieu of "1". Contractor is required to deliver reports on electronic media (CD-ROM).
6. Add the following e-mail addresses to CDRL A007 (Performance and Cost Report): "Batkinson@dcmdc.dcma.mil" and "Rvargo@dcmdc.dcma.mil".
7. Replace e-mail address "reesem@tacom.army.mil" with e-mail address "oederc@tacom.army.mil" in CDRLs A005, A006 and A007 in Exhibit A of the contract.
8. Add ECPs GDLU6193, GDLU6240, and GDLU2285 to Exhibit B, page 3 of the contract at no cost.
9. Section C, page C1 is deleted and replaced by the attached identically numbered page.
10. Section D, Page D1 of the contract is deleted and replaced by the attached identically numbered page.
11. Exhibit A, pages 3 and 4 are deleted and replaced by the attached identically numbered pages.
12. Replace Exhibit B in its entirety with the attached new Exhibit B in its entirety. Page 3 of Exhibit B is changed to reflect the list of No Cost ECPs.
13. In consideration of the modification agreed to herein as complete equitable adjustments for the Contractor's proposal for adjustment, "the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the "proposal for adjustment."
14. All other terms and conditions of this contract are unchanged and remain in full force and effect.

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

SECTION C

C.1 General

C.1.1. The M1A2 Retrofit Program is designed to upgrade M1A2 Tanks to attain the upgraded operational characteristics of a M1A2 SEP Tank. To achieve that end, selected enhancements/ECPS will be incorporated into M1A2 tanks inducted into the program. Tanks delivered under this contract will be similar, but not identical, to new production M1A2 SEP tanks produced under contract DAAE07-01-G-N001/0003. As a secondary objective, inducted tanks will be restored as nearly as possible to original or new condition in appearance, performance and life expectancy, accomplished through disassembly, inspection of all components and repair/replacement of worn or unserviceable items using original manufacturing tolerances and specifications as further defined in this scope of work. To rebuild the tank to "like new" condition will increase readiness and reduce Operations & Support (O&S) cost. The methodology to achieve a rebuild vehicle shall be established by Anniston Army Depot (ANAD) and General Dynamics Land System (GDLS) through determining the most economical means to achieve the rebuild criteria.

C.1.2. The program will utilize the expertise of both the Army depot system and the Contractor. Anniston Army Depot (ANAD) will be utilized to refurbish hulls and turrets and will overhaul the AGT 1500 engine, X1100 transmission, final drives, gun mounts and cannons. General Dynamics Land Systems (GDLS), as an independent contractor and not as an agent of the Government, will overhaul suspension components, assemble chassis and turret, perform vehicle and system testing, refurbish and upgrade certain common components, integrate SEP unique Line Replaceable Units (LRU), and paint, prep at Lima Army Tank Plant (LATP) and load vehicles on Government furnished rail cars.

The contractor, teaming with ANAD, shall upgrade 15th year M1A2 AUT's to meet essential operational characteristics of M1A2 SEP's.

C.2. CONFORMANCE WITH SPECIFICATION, DRAWINGS AND REQUIREMENTS

C.2.1. The M1A2 provided by the Government shall be upgraded to the SEP TDP baseline defined at Section C.3.1 and conform with specifications, drawings and requirements as described below.

C.2.2. The M1A2's upgraded to the modified M1A2 SEP configuration shall comply with the System Specification for the Tank, Combat, Full-Track, 120MM Gun M1A2, SA-SA00001C, dated 31 July 1998 as demonstrated by Government and Contractor testing completed as of the date of execution of a contract, or as may be amended by completion of additional testing and documentation by future test report(s) and Contracting Officer approved Changes.

C.2.3. The M1A2 tanks upgraded to the M1A2 SEP tank configuration shall comply with the Prime Item Product Fabrication Specification for the Tank, Combat, Full-Track, 120MM Gun, SC-SA10010, Rev. E, dated 09 May 2001, and Contracting Officer approved changes, waivers, and deviations.

C.2.4. LRUs supplied by the contractor, either new, SEP refurbished or upgraded to the M1A2 SEP configuration, shall comply with the LRU Product Fabrication Specifications listed in Attachment 003 as demonstrated by Government and Contractor testing completed as of the date of execution of a contract, or as may be amended by completion of additional testing and documentation by future test report(s). Until such time a LRU Product Fabrication Specification performance level is demonstrated, the Contractor may approve changes to the LRU Product Fabrication Specification by Request for Waiver/Request for Deviation (RFW/RFD). Upon demonstration that the LRU meets its Product Fabrication Specification or the level of conformance to the Product Fabrication Specification is determined, the Contractor requires approval of the Procurement Contracting Officer to lower the demonstrated performance of the LRU.

C.2.5. The M1A2s upgraded to the M1A2 SEP configuration shall comply with the Government Furnished Army Embedded GPS Receiver (AEGR) Performance Specification 12438580SM, dated 29 June 2000 to the extent demonstrated with the required Form, Fit and interface requirements.

C.2.6. The M1A2s upgraded to the M1A2 SEP configuration shall comply with the Form and Fit requirements necessary to enable Abrams System functionality with the Current Interface Control Documents for the FBCB2 Platform ICD IAW (Version 3.5) No JVIF01011, Rev E-1, dated 29 April 2002, Single Channel Ground Airborne Radio System (SINCGARS) RT-1523E(C), and the Enhanced Position Location Reporting System/Very High Speed Integrated Circuit (EPLRS/VHSIC) to the extent demonstrated and documented in Government and Contractor testing.

C.3 Engineering Release Record

C.3.1. M1A2 System Enhancement Program (SEP) Abrams 15th year pilot vehicles. The M1A2 SEP technical baseline is that described in Exhibit B, as modified by the Engineering Change Proposals listed in Exhibit C and Contractor approved Change Requests.

C.4 Limited Technical Inspection

C.4.1. A limited technical assessment on selected year M1A2 tanks will be conducted by a joint team of Government and Contractor

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personnel. The assessment will provide current configuration and condition of each vehicle. The Government shall be responsible for replacing any missing or repairing any non-conforming LRUs/SRUs on both 15th year inducted tanks provided to the Contractor or its suppliers for upgrade or refurbishment.

C.5. CONFIGURATION CONTROL

C.5.1. The Government shall be notified electronically of any proposed Contractor change that shall negatively affect meeting a vehicle's performance requirements under Provision C.2. above or that lowers the demonstrated performance of the LRU Product Fabrication Specifications listed in Attachment 003. Any changes reducing demonstrated performance of the LRU Product Fabrication Specifications listed in Attachment 003 may be disapproved by the Procuring Contracting Officer within 10 working days after electronic notification of the Change. The Contractor is to FLAG these ECP/CR/RFW/RFD requiring Procuring Contracting Officer approval with a distinct COVER PAGE/electronic NOTICE in accordance with data item A002 DD Form 1423.

C.5.2. Contractor RFD/RFW to Government configuration controlled items listed in BOA DAAE07-01-G-N001 require TACOM Contracting Officer (PCO) approval unless specifically delegated. These RFD/RFW shall be submitted to the PCO in accordance with CDRL A002 of this Delivery Order. The Contractor is to FLAG these ECP/CR/RFW/RFD requiring Procuring Contracting Officer approval with a distinct COVER PAGE/electronic NOTICE.

C.5.3. Incorporation of Government ECPs into vehicles at other than job #1 shall be recorded and reported to the Government in accordance with data item A003 DD Form 1423, Exhibit A of the Contract entitled ENGINEERING ACCOUNTING and ENGINEERING RECORDS (ECAR).

C.5.4. When a SEP production waiver or deviation is issued and authorized for a new part number being utilized in the reclamation process, the new part numbers authorizing document is valid coverage for usage in the reclaimed component. No other document need be generated.

C.5.5. When a SEP production waiver or deviation is authorized for a production LRU base part, for purposes of this contract the corresponding reclaimed manufacturing designated part number (base number + S-18 suffix) shall be authorized. No other document need be generated.

C.6. VEHICLE PAINT COLOR

C.6.1. The vehicle shall be painted TAN 686 Color Chip No. 33446 of Fed-STD-595.

C.7. FUEL AND LUBRICANTS

C.7.1. Fuels and lubricants used for vehicle break-in and acceptance tests shall be as set forth below.

C.7.2. Fuel, JP-8, MIL-DTL-83133, NATO Code No./Grade F-34 (JP-8) of equivalent. The contractor is authorized to add a leak detector to the fuel provided the leak detector is of a non-staining type.

C.7.3. Oil.

- a. Transmission/Final Drive Oil MIL-PRF-21260 Grade 30
- b. Engine Oil/Lubrication High Temperature Stability (HTS) MIL-PRF- 23699 Class HTS
- c. Shock Absorber Oil MIL-PRF-23699 Class HTS or C/I

C.8. SYSTEM SPECIFICATION IMPROVEMENTS

The Contractor is responsible for meeting demonstrated System Specification performance of vehicles under this Contract in accordance with C.2. above. Should the Government desire to improve System Specification performance of any vehicle under the Contract over that performance previously demonstrated, that may be accomplished by:

- a. Testing to prove that the current vehicle meets a higher level of System Specification performance than previously demonstrated. Should a higher level of performance be demonstrated, then that level of performance will replace the previous level.
- b. Funding the Contractor to increase the performance level of the production vehicle by a running change under the "Change" clause.

C.9 VEHICLE WEIGHT MANAGEMENT

C.9.1. The Contractor shall weigh one vehicle as produced in its "as produced" configuration, excluding Basic Issue Items (BII). The Contractor shall maintain a record of such weights. The record shall include the amount of fuel in each cell as indicated on the fuel

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gauge and list "ship short" items.

C.9.2. Notification of weighing shall be provided to the Government in sufficient time to allow a Government representative to be present.

C.10 PULL TEST, RUBBER BONDING

RESERVED

C.11 PASSIVATION SPECIFICATION

C.11.1. The substitution of Passivation Specification ASTM-A380 or ASTM-A967 for AMS-QQ-PP-35, for passivation of corrosion resistant steel, is authorized on an as required basis.

C.12. WELDING AND BRAZING

C.12.1. Welding of armor steel will be performed in accordance with Specification SD-X12140 or MIL-STD-1941 and applicable weld procedures. Suggested welding techniques not described as mandatory in the specification/welding procedures shall be considered optional.

C.12.2. Repair of welds for defects on armor steel plate will be performed per SD-X12140 and for Class C defects on armor steel castings per Appendix B MIL-A-11356, SD-X12140 and applicable welding procedures.

C.12.3. Repair of vendor weldments on ferrous and non-ferrous metals will be performed per applicable specifications or Contractor's approved repair procedures.

C.12.4. Welding Wrought Aluminum Armor will be performed per Specification MIL-STD-1946 or, applicable, MIL-W-45206.

C.12.5. In the interest of eliminating redundant welding qualifications and/or procedure approvals for contractor personnel or suppliers, the Contractor is authorized to waive qualifications and /or procedures approvals otherwise required under this contract if its personnel or suppliers have been qualified or have procedure approvals under other DOD or Government approved welding specifications that meet or exceed the requirements under this contract. Qualified suppliers are those suppliers that have successfully passed Quality or First Article Testing under this Delivery Order or another Government contract where there has not been a break in production. If a supplier is performing to a equivalent or higher quality specification than that called out in this Delivery Order the contractor is authorized to waive the lower quality specification.

C.12.6. The contractor shall be responsible for all welding process approvals (procedures, samples, etc.) in accordance with the Contractor's approved Quality Program.

C.12.7. With regard to all welding specifications, visual weld inspection will be performed in accordance with SD-X12140D.

C.12.8. Welding procedures that require Government approval by the applicable specification shall be approved by the Contractor.

C.12.9. Soldering shall be in accordance with either MIL-STD-2000A, TACOM soldering process specification 11655194, ANSI/J-STD-001A or other commercial soldering standards with the contractors approval.

C.12.10. With regard to all welding specifications and standards, the following statement applies:

If joint configuration, weld process, or materials have not changed then previously submitted and accepted ballistic test samples, workmanship specimens, and welder qualifications under the applicable qualification requirements of welding specifications SD-X12140, SD-X12141, MIL-STD-1261, MIL-W-45205, MIL-W-45206 and SD-X12145 are applicable.

C.13. SCOPE OF WORK - RETROFIT OF 15th Year Vehicles

C.13.1 M1A2 Inductions At ANAD

C.13.1.1. ANAD will receive vehicles, remove turrets & disassemble hulls and turrets, clean and evaluate inducted vehicles. ANAD will, to the extent practical, team with the contractor to inspect inducted vehicles and established safety and environmental protection procedures. GDAO will ship components (Attachment 004) for refurbishment to the reclaim sites described in the contractor's GDLS 15th year parts listing document and ANAD will refurbish the turret, hull, cannon, engine, transmission and final drive at ANAD and ship the balance of the components. The GDLS/ANAD workshare agreement, in accordance with GDLS' letter MPA 02-0694, dated April 5, 2002 is incorporated into this contract by reference.

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C.13.2. Disassembly of M1A2s

C.13.2.1 Disassembly: ANAD will disassemble the tank, and ANAD and GDLS shall disassemble all components in accordance with the intent of accepted Government TMs, DMWRs and/or Contractor procedures.

C.13.2.2 Disposal: The Government will provide disposition instructions for all items removed from vehicles that are determined to be unusable using existing ANAD and Contractor disposal procedures. Packaging, crating, handling and shipping costs will be authorized in accordance with provisions B.4. and B.5. The Government will provide any required specialty containers required for such shipments.

C.13.3 "Use "As Is":

C.13.3.1 ANAD will disassemble the vehicles and will remove all components, except for armor. ANAD and GDLS shall disassemble components deemed reusable and shall clean, paint, modify as necessary, reassemble, inspect, and reinstall them. The components that ANAD will refurbish are indicated in the contractor's LATP 15th year parts listing document by "ANAD" in the "Reclaim Site" column.

C.13.3.2 ANAD will transport use as is and refurbished components that it has refurbished to LATP while GDAO will transport other components (Attachment 004) requiring upgrade by GDLS and its suppliers back to the appropriate facility.

C.13.4 Assembly of Retrofit SEP Vehicles at LATP

C.13.4.1. The Contractor shall assemble GFM components ("use as is" and refurbished) received from ANAD, contractor furnished material, both new and refurbished, and Government Furnished Material (GFM), both new and refurbished, to upgrade the inducted M1A2 tank into a like new M1A2 SEP tank.

C.13.4.2 The Contractor shall also add turret side armor in the latest configuration, make accommodations for the Under Armor Auxiliary Power Unit (UAAPU), perform vehicle and systems testing, integrate SEP unique LRUs, perform tests and adjustments as well as prep and load shipments of completed M1A2 SEP tanks.

C.13.5. Government Furnished Material:

GFM for the 15th year vehicles is listed on Attachment 001.

C.13.6 Parts Support

C.13.6.1. The contractor shall furnish all material (not provided by ANAD and GFM) required by ANAD in accordance with ANADs required delivery dates necessary to refurbish its pieces and components including those identified drop out quantities on refurbished components. Part requirements will be defined through the list of materials to be procured for Anniston Army Depot as referenced in Bill of Material (L3617ANAD-A) dated 17 JAN 2002. However, GDLS is not required to provide any material for ANAD to either refurbish or replace the cannon, engine, transmission. ANAD shall provide the Contractor a delivery schedule identifying what parts will be required and when the parts will be required. The Contractor agrees to cooperate with Anniston Army Depot to purchase and provide the list of materials to meet the ANAD schedule.

C.13.6.2. In the event that any material GDLS requires is no longer being produced by any of GDLS' subcontractors or is otherwise not available within allowable lead times, GDLS is authorized to purchase this material from the Government Supply System. GDLS shall procure material as needed by first obtaining authorization from the ACO. The ACO shall negotiate an adjustment for any material from the Government Supply System to be sold to GDLS.

C.13.6.2.1. Anniston Manufacturing Responsibility. For production of two pilot vehicles, Anniston Army Depot will provide the following:

<u>Part Number</u>	<u>Item</u>
12528312	Bore Evacuator
12529685	Handle
12529532	Cap, Contact
12529570	Contact Pin Assembly

C.13.6.3. In the event that any material provided to GDLS by the Government is found to be unusable, it is Government's responsibility to replace / repair the unusable component.

C.13.6.3.1. In the even the torison bar housing being provided by ANAD to the Scranton facility is found to be defective, the contractor shall be entitled to an equitable adjustment to the contract in accordance with Section B.4.

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C.13.6.4. The contractor is authorized to ship parts under any of the Delivery Orders under DAAE07-01-G-N001 in a single shipment.

C.14 Pollution Prevention Plan and Environmental Requirements

C.14.1. The contractor's activities under this contract shall be in accordance with the Contractor's approved Pollution Prevention Plan, and incorporated into this contract by reference.

C.15 Contract Data Requirements

The Contractor shall prepare technical data and financial reports in the format and scope specified and furnished with the Contract Data Requirements List, DD Form 1423 (Exhibit A). This information will be furnished in accordance with the requirements, quantities and schedules set forth in the Electronic Contract Data Requirement List. All data, including ECARDS data, is to be submitted electronically to the Government, reference FAR 52.204-4009 (TACOM) MANATORY USE OF CONTRACTOR TO GOVERNMENT ELECTRONIC COMMUNICATION JUN/1999, unless specifically directed otherwise in the data item.

All Terms and Conditions specific to Section C of the Basic Order Agreement (DAAE07-01-G-N001) are incorporated by reference into this Delivery Order DAAE07-01-G-N001/0007.

*** END OF NARRATIVE C 001 ***

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SECTION D - PACKAGING AND MARKING

SECTION D
PRESERVATION/PACKAGING/MARKING

D.1. PRESERVATION/PACKAGING/PACKING

D.1.1. ABRAMS SERIES TANKS. The Abrams Series Tank Vehicles shall be preserved and processed for shipment with drive-on/drive-off capability in accordance with SD-X10005; and as delineated in the Abrams Systems Security Classification Guide dated 25 July 1997.

D.1.1.1. Batteries - Vehicles will be shipped with production batteries installed and with all required hardware attached, but not connected to the battery posts. Battery and electrolyte shall be in conformance with the requirements of SD-X10005, par. 3.10.2.

D.1.2 Special Containers

No special reusable containers will be procured under this contract. Special containers used for the shipment and storage of GFM shall be promptly returned to the place of origin or location(s) specified by the ACO at Government expense. Special Containers include, but are not limited to the following:

- | | |
|--|--------------------------|
| Metal Racks for Gun Tubes | Gun Mount Racks |
| Metal containers for AGT 1500 Engine | Metal Skids for X1100-3B |
| ISOPOD Containers for Hughes Fire Control Components | |

The Terms and Conditions and contract clauses specific to Section D of the Basic Order Agreement (DAAE07-01-G-N001) are incorporated by reference into this Delivery Order DAAE07-01-G-N001/0007 with the exception of the following:

D.4 SPECIAL CONTAINERS FOR ABRAMS DERIVATIVE VEHICLE COMPONENTS

*** END OF NARRATIVE D 001 ***

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SECTION J - LIST OF ATTACHMENTS

<u>List of</u> <u>Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number</u> <u>of Pages</u>	<u>Transmitted By</u>
Exhibit A	CONTRACT DATA REQUIREMENT LIST			
Exhibit B	ENGINEERING RELEASE RECORD			

EXHIBIT A

DD FORM 1423 DATA ITEMS

CONTRACT DATA REQUIREMENTS LIST

Form Approval OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E. _

A. CONTRACT LINE ITEM NO.: 0002 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A001
2. TITLE OF DATA ITEM: DI-QCIC-80736
3. SUBTITLE: DGM Report
4. AUTHORITY : 5. CONTRACT REFERENCE:B.4.2 6. REQUIRING OFFICE:SFAE-GCSS-W-AB-QA
7. DD250 REQ: No
9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY: As Required 12. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION	A. ADDRESSEES	B. COPIES	DRAFT	FINAL
	SFAE-GCSS-W-AB-CO paavolad@tacom.army.mil	0		1
	SFAE-GCSS-W-AB-CC jaroszt@tacom.army.mil	0		1
	SFAE-GCSS-W-AB-Q DunklinB@tacom.army.mil	0		1
	DCMDN-RQT EDW_DCMC_Detroit@dcmde.dla.mil	0		1
	DCMDN-RQO EDW_DCMC_Detroit@dcmde.dla.mil	0		1
	15. TOTAL:	0		5

16. REMARKS: Report shall be made to the cognizant Government QAR using either DGM report or SF368. Report shall be submitted immediately in case of Category I deficiency; follow-up documentation within 2 days. Category II reports shall be submitted within two days of deficiency discovery. Info copy of completed SF 368 shall be included with all shipments of deficient material returned to the Government. DCMDN electronic copies are to be sent via EDW_DCMC_Detroit@dcmde.dla.mil

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO.: 0002 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A002
2. TITLE OF DATA ITEM: Configuration Control Changes
3. SUBTITLE: Contractor Change Notice
4. AUTHORITY : 5. CONTRACT REFERENCE: C.5.1. 6. REQUIRING OFFICE:SFAE-GCSS-W-AB-QA.
7. DD250 REQ: No 9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY:As Required 2. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION	A. ADDRESSEES	B. COPIES	DRAFT	FINAL
	SFAE-GCSS-W-AB-LR konwinsl@tacom.army.mil	1		1
	SFAE-GCSS-W-AB-S harjuw@tacom.army.mil	1		1
	AMSTA-AQ-AHEB (NOTE 1) regenhaj@tacom.army.mil	0		1
	AMSTA-AQ-AHEB (NOTE 1) wilsonl@tacom.army.mil	0		1 NOTE 1
	15. TOTAL:	3		5

16. REMARKS: Electronic notification of any CR, RFW, RFD, ECP to the technical data package shall be provided to the offices listed in block 14. MIL-STD-973 format is to be used as a guide. Logistics impact is to be conspicuously marked. This notice does not replace the requirement for ECPs to be presented to a Government Configuration Control Board. NOTE 1: Deliver ONLY if CR/ECP/RFD/RFP affects System Specification, Prime Item Product Fab Specification, defined LRU Prod Fab Specifications, or the FIR for the vehicle.

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

G. PREPARED BY: I. APPROVED BY:
H. DATE: J. DATE:

A. CONTRACT LINE ITEM NO.: 0002 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A003
2. TITLE OF DATA ITEM: Configuration Status Accounting and Engineering Records (ECAR)
3. SUBTITLE: STA Form 1605, ECAR
4. AUTHORITY : 5. CONTRACT REFERENCE:C.5.3 6. REQUIRING OFFICE:
7. DD250 REQ: No
9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY: As Required 12. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
AMSTA-TR 1
DCMDN-RQO EDW_DCMC_Detroit@dcmdc.dla.mil 1
AMSTA-GDC 1
15. TOTAL: 3

16. REMARKS: STA Form 1605, ECAR, shall be submitted within 5 days after incorporation of changes in production configuration. The Contractor shall provide electronic copies of the form. DCMDN electronic copies are to be sent via EDW_DCMC_Detroit@dcmdc.dla.mil
17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO.: 0002 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A004
2. TITLE OF DATA ITEM: Control Testing
3. SUBTITLE: OT-91-12221, Flash Reports
4. AUTHORITY : 5. CONTRACT REFERENCE: 6. REQUIRING OFFICE:SFAE-GCSS-W-AB-QA 7. DD250 REQ: No
9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY: As Required 12. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
SFAE-GCSS-W-AB-Q DunklinB@tacom.army.mil 1 0
AMSTA-TR-E/tank 1 1
AMSTA-AR-QAW-C 1 1
DCMDN-RQT EDW_DCMC_Detroit@dcmdc.dla.mil 0 1
15. TOTAL: 3 3

16. REMARKS: List specified in 10.2 & 10.3 due one month after last report under prior contract. Updgates of list of 10.2 required quarterly or as changes occur (whichever is greater). Updates of list of 10.3 required monthly until supplier base established. Then within 10 days of changes. List 10.4 and 10.5 monthly. Electronic reports shall go to DCMDN-RQT at sapatton@dcmdc.dla.mil for distribution to other Government Offices. DCMDN electronic copies are to be sent via EDW_DCMC_Detroit@dcmdc.dla.mil
17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO.: 0002 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A005
2. TITLE OF DATA ITEM: GFM Reporting
3. SUBTITLE: GFM Reporting
4. AUTHORITY : 5. CONTRACT REFERENCE: F.2. & Atch 2 6. REQUIRING OFFICE:SFAE-GCSS-W-AB-C.
7. DD250 REQ: No 9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY: Monthly 2. DATE OF FIRST SUB: NA
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
SFAE-GCSS-W-AB-CO oederc@tacom.army.mil 0 1
SFAE-GCS-AB-SP paavolad@tacom.army.mil 0 1
15. TOTAL: 0 2 16. REMARKS:

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:
G. PREPARED BY: I. APPROVED BY:
H. DATE: J. DATE:

A. CONTRACT LINE ITEM NO.: 0002 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETORFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A006
2. TITLE OF DATA ITEM: Greater Warranties
3. SUBTITLE: Greater Warranties
4. AUTHORITY: 5. CONTRACT REFERENCE: C. 6. REQUIRING OFFICE: 7. DD250 REQ:
9. DIST. STATEMENT REQUIRED: 10. FREQUENCY: As Required 12. DATE OF FIRST SUB:
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION	A. ADDRESSEES	B. COPIES	DRAFT	FINAL
	SFAE-GCSS-W-AB-CO	oederc@tacom.army.mil	0	1
		15. TOTAL:	0	1

16. REMARKS:

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:
G. PREPARED BY: I. APPROVED BY:
H. DATE: J. DATE:

A. CONTRACT LINE ITEM NO.: 0002 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

1. DATA ITEM NO. A007
2. TITLE OF DATA ITEM: PERFORMANCE AND COST REPORT
3. SUBTITLE: DI-FNCL-80912
4. AUTHORITY : 5. CONTRACT REFERENCE: 6. REQUIRING OFFICE: SFAE-GCSS-W-AB-CC
7. DD250 REQ: No
9. DIST. STATEMENT REQUIRED: No 10. FREQUENCY: Monthly 12. DATE OF FIRST SUB:
8. APP CODE: 11. AS OF DATE: 13. DATE OF SUBS. SUB:

14. DISTRIBUTION	A. ADDRESSEES	B. COPIES	DRAFT	FINAL
	SFAE-GCSS-W-AB-CO	oederc@tacom.army.mil	0	1
	SFAE-GCSS-W-AB-CO	paavolad@tacom.army.mil	0	1
	AMSTA-AQ-AHEB	SonnenfW@tacom.army.mil	0	1
	DCMDE-GJQB	Batkinson@dcmdc.dcmde.mil	0	1
	DCDME-GJQB	Rvargo@dcmdc.dcmde.mil	0	1
		15. TOTAL:	0	5

16. REMARKS: Submit no later than the 25th day of the month. Submit Electronically.

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO.: 0002 B. EXHIBIT: A C. CATEGORY:
D. SYSTEM/ITEM: M1A2 SEP RETROFIT TANK E. CONTRACT/PR NO.: F. CONTRACTOR: GDLS

SEP PILOTS RETROFIT CONFIGURATION

ENGINEERING RELEASE RECORD

ERR GDLU6210 dated 02 March 2002

THE FOLLOWING ECPs/CRs ARE ADDED TO ERR GDLU6210

GDLU6187	10 GIGABYTE SOLID STATE RMC
GDMY0721	POS/NAV UPGRADE

THE FOLLOWING ECPs/CRs ARE EXCEPTION TO ERR GDLU6210

GDLT8845	PULSE JET SYSTEM SCAVENG
GDLT8952	RADIATION FILTER MODULE DEVIATIONS
GDLT8964	OPTIONAL UBIM INTRODUCED
GDLT8969	REVISE ELECTRICAL REPAIR KIT
GDLT8970	RELEASE NEW SUPPORT BRACKET AND RESERVOIR
GDLT8976	DISCONTINUED MICROCIRCUIT REPLACEMENT
GDLU2148	NUCLEAR HARDNESS GDCP 400HZ
GDLU2152	LIGHT WEIGHT WIRE RACE RING (LWWR) RADIAL SEAL
GDLU2195	RELEASE NEW GRILLE DOOR HOOK
GDLU2200	ADDS J-PLATE STIFFENER TO SIDEWALL
GDLU2205	FCEU A10 CCA SOFTWARE CORRECTION
GDLU2230	HULL TURRET POSITION SENSOR BALLISTIC IMPROVEMENT
GDLU2236	CHANGE MICROCIRCUIT VENDOR
GDLU2261	IFCEU TECHNICAL DATA PACKAGE CLEANUP
GDMY0437	SOURCE CONTROL RELAY VS MILITARY
GDMY0449	HOUSING - MATERIAL NOTE CHANGE 12548094
GDMY0460	REVISE FASTENERS ON COOLING AND
GDMY0464	UPDATE HARNESS ASSY.
GDMY0497	COOLING FAN PERFORMANCE REQUIREMENTS
GDMY0500	TURRET AMMO RACK DRAWINGS MINOR
GDMY0507	CIRCUIT CARD ASSEMBLY REVISIONS
GDMY0523	LOWER LIMIT OF APPLIED TORQUE INCREASED
GDMY0554	NOTE SPEC UPDATE FOR THE RETAINER ASSY. 12346821
GDMY0556	NEEDLE VALVE DRAWING UPDATE 7358551
GDMY0562	CONNECTOR REQUIREMENT UPDATE 12918274
GDMY0592	UPDATE HYDRAULIC HAND PUMP BEARING PART NUMBERS.
GDMY0649	CHANGE TURRET POST INSERTS
GDMY0666	STRAP P/N CHANGE
GDMY0678	REVISE TRIAXIAL CABLE DRAWING
GDMY0693	CHANGE WELD SYMBOLS FOR J-PLATE STIFFENER
GDMY0712	CIRCUIT CARD ASSY. UPDATES
GDMY0718	WIRING HARNESS ASSY. REVISION
GDMY0723	HARNESS REVISIONS
GDMY0728	REVISE PICTORIAL PROFILE OF HOOK
GDMY0731	REVISE EMI FILTER DIODE
GDMY1133	NEW PROTOTYPE/PRODUCTION CEU RELEASE.
GDMY1342	FLEX HARNESS 3 _CEU_ CLOCKING/JUMPERS
GDMY1350	PIM NED Circuit Corrections
GDMY1401	GUARD SLOT REVISION
GDMY1411	FCEU LEADER DESIGNATOR CORRECTION
GDMY1501	CORRECTION OF HULL ELECTRICAL
L8T1004R2	ADDS ACCOMODATIONS FOR MOUNTING OF M4 CARBINE
L9T1010	PLGR INTEGRATION UPDATE
SKU00072	DID CRACKING GLASS CORRECTION - TDP UPDATE ONLY
SKU00074	RELEASE IMPROVED SLIP RING - TDP UPDATE ONLY DUST SEAL CHANGE
GDMY0450	DUST SEAL CHANGE

ENGINEERING RELEASE RECORD
ERR GDLU6210 dated 02 March 2002

Abrams M1A2-SEP Retrofit Program
DAAE07-G-N001/0007
No Cost ECPs
Exhibit B

<u>ER/ECP No.</u>	<u>Description</u>
GDLU2197	RELEASE EPLRS CABLE*
GDLU2225	HYDRAULIC QUICK DISCONNECT*
GDLU2297	PERSONNEL HEATER FUEL PUMP*
GDLU6193	NEW SHIPPING AND STOWAGE SPECIFICATION**
GDLU6240	GUNNER'S SEAT ADJUSTER & HANDLE**
GDLU2285	CEU FOUNDATION FIRMWARE UPDATE**

*Changed by MOD 07.
**Added by MOD 07.

ENGINEERING RELEASE RECORD
ERR GDLU6210 dated 02 March 2002

APPROVED RFDs & RFWs FOR SEP RETROFIT
DAAE07-G-N001/0007
Exhibit B

<u>DEV/WAV #</u>	<u>TITLE</u>
TDA02D500	ADDITIONAL GUIDE TUBE MACHINING*

*ADDED BY MOD 06.